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(57) Abstract: The present invention concerns a method for improving plant growth characteristics by increasing expression in a plant of a nucleic acid encoding a CCS52 protein and/or by increasing level and/or activity in a plant of a CCS52 protein. The invention also relates to transgenic plants having improved growth characteristics, such as increased plant size, increased organ size or increased number of organs, which plants have increased expression of a nucleic acid encoding a CCS52 protein.